IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : National Phase Entry of PCT/EP2003/009774
Applicant : Karsten EULENBERG et al
Filed : Herewith
TC/A.U. :
Examiner :

Docket No. : 2923-680
Customer No. : 6449
Confirmation No. :

**INFORMATION DISCLOSURE STATEMENT**

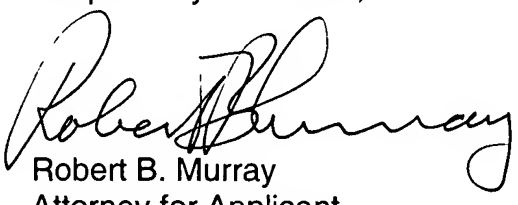
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with applicants duty of disclosure under 37 C.F.R. 1.56, enclosed is a copy of the International Search Report in the corresponding international application. The relevance of the references is noted in the International Search Report. We understand that the references have been forwarded by the International Bureau, and are available to the Examiner, but if the Examiner needs copies of any of the references, the Examiner is requested to advise counsel accordingly.

In the event that any fees are due with this paper, please charge our Deposit Account No. 02-2135.

Respectfully submitted,

By 

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Complete if Known | |
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| | | | | Application Number | 10/523643 New Application |
| | | | | Filing Date | February 4, 2005 |
| | | | | First Named Inventor | Karsten EULENBERG et al |
| | | | | Group Art Unit | |
| | | | | Examiner Name | |
| | | | | Confirmation No. | |
| Sheet | 1 | of | 1 | Attorney Docket Number | 2923-680 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---|---|---|---|
| Examiner Initials* | Cite No.[1] | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T[2] |
| | 1. | Smith et al., "Functional Screening of 2 MB of Human Chromosome 21Q22.2 in Transgenic Mice Implicates Minibrain in Learning Defects Associated with Down Syndrome", NATURE GENETICS, vol. 16, no. 1, May 1, 1997, pgs. 28-36. | |
| | 2. | Smith et al., "Functional Screening and Complex Traits: Human 21Q22.2 Sequences Affecting Learning in Mice", HUMAN MOLECULAR GENETICS, vol. 6, no. 10, 1997, pgs. 1729-1733. | |
| | 3. | Okui et al., "High-Level Expression of the Mnb/Dyrk1A Gene in Brain and Heart during Rat Early Development", GENOMICS, vol. 62, no. 2, December 1, 1999, pgs. 165-171. | |
| | 4. | Guimera et al., "HumanMinibrainHomo1ogue (MNBH/DYRK1): Characterization, Alternative Splicing, Differential Tissue Expression, and Overexpression in Down Syndrome", GENOMICS, vol. 57, no. 3, 1 May 1999, pgs. 407-418. | |
| | 5. | Altafaj et al., "Neurodevelopmental delay, motor abnormalities and cognitive deficits in transgenic mice overexpressing Dyrk1A (minibrain), a murine model of Down's syndrome", HUMAN MOLECULAR GENETICS, vol. 10, no. 18, 1 September 2001, pgs. 1915-1923. | |
| | 6. | Von Groote-Bidlingmaier et al., "Dyrk1 is a co-activator of FKHR (FOXO1a)-dependent glucose-6-phosphatase gene expression", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 300, no. 3, January 17, 2003, pgs. 765-769. | |
| | 7. | Fotaki et al., "Dyrk1A haploinsufficiency affects viability and causes developmental delay and abnormal brain morphology in mice", MOLECULAR AND CELLULAR BIOLOGY, vol. 22, no. 18, September 2002, pgs. 6636-6647. | |
| | 8. | Lochhead et al., "dDYRK2: a novel dual-specificity tyrosine-phosphorylation-regulated kinase in Drosophila", THE BIOCHEMICAL JOURNAL, vol. 374, no. Pt. 2, 1 September 2003, pgs. 381-391. | |
| | 9. | Deng et al., "Mirk/dyrk1B is a Rho-induced Kinase Active in Skeletal muscle Differentiation", THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 278, no. 42, 17 October 2003, pgs. 41347-41354. | |
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